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-1437 AAGCTTCTAC CCTAGTCTGG TGCTACACTT ACATTGCTTA CATCCAAGTG TGGTTATTTTC
 -1377 TGTGGCTCCT GTTATAACTA TTATAGCACC AGGTCTATGA CCAGGAGAAT TAGACTGGCA
 -1317 TTAAATCAGA ATAAGAGATT TTGCACCTGC AATAGACCTT ATGACACCTA ACCAACCCCA
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 -1077 GCTGGGACTA CAGGGGCATG CCATCACACC TAGTTCATTT CCTCTATTTA AAATATACAT
 -1017 GGCTTAAACT CCAACTGGGA ACCCAAAACA TTCATTTGCT AAGAGTCTGG TGTTCTACCA
 -957 CCTGAAGTAG GCTGGCCACA GGAATTATAA AAGCTGAGAA ATTCTTTAAT AATAGTAACC
 -897 AGGCAACATC ATTGAAGGCT CATATGTAAA AATCCATGCC TTCCTTTCTC CCAATCTCCA
 -837 TTCCCAAATC TAGCCACTGG TTCTGGCTGA GGCCTTACGC ATACCTCCCG GGGCTTGCAC
 -777 ACACCTTCTT CTACAGAAGA CACACCTTGG GCATATCCTA CAGAAGACCA GGCTTCTCTC
 -717 TGGTCCCTGG TAGAGGGCTA CTTTACTGTA ACAGGGCCAG GGTGGAGAGT TCTCTCCTGA
 -657 AGCTCCATCC CCTCTATAGG AAATGTGTTG ACAATATTCA GAAGAGTAAG AGGATCAAGA
 -597 CTTCTTTGTG CTCAAATACC ACTGTTCTCT TCTCTACCCCT GCCCTAACCA GGAGCTTGTC
 -537 ACCCCAAACT CTGAGGTGAT TTATGCCTTA ATCAAGCAAA CTTCCCTCTT CAGAAAAGAT
 -477 GGCTCATTTT CCCTCAAAG TTGCCAGGAG CTGCCAAGTA TTCTGCCAAT TCACCCTGGA
 -417 GCACAATCAA CAAATTCAGC CAGAACACAA CTACAGCTAC TATTAGAATC ATTATTATTA
 -357 ATAAATTCCT CTCCAAATCT AGCCCCTTGA CTTCCGATTT CACGATTTCT CCCTTCTCTC
 -297 TAGAACTTG ATAAGTTTCC CGCGCTTCCC TTTTCTAAG ACTACATGTT TGTCATCTTA
 -237 TAAAGCAAAG GGGTGAATAA ATGAACCAAA TCAATAACTT CTGGAATATC TGCAAACAAC
 -177 AATAATATCA GCTATGCCAT CTTTCACTAT TTTAGCCAGT ATCGAGTTGA ATGAACATAG
 -117 AAAAATACAA AACTGAATTC TTCCCTGTAA ATTCCCCGTT TTGACGACGC ACTTGTAGCC
 -57 ACGTAGCCAC GCCTACTTAA GACAATTACA AAAGGCGAAG AAGACTGACT CAGGCTTAAG
 4 CTGCCAGCCA GAGAGGGAGT CATTTCAATG GCGTTTGAGT CAGCAAAGGT ATTGTCTCA
 64 CATCTCTGGC TATTAAAGTA TTTTCTGTTG TTGTTTTTCT CTTTGGCTGT TTTCTCTCAC
 124 ATTGCTTCT CTAAAGCTAC AGTCTCTCCT TTCTTTTCTT GTCCCTCCCT GGTGGGTAT
 184 GTGACCTAGA ATTACAGTCA GATTCAGAA AATGATTCTC TCATTTTGCT GATAAGGACT
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 304 TGAGGCTTCT CATGGGAGGG AATCTCTACT ATCCAAAATT ATTAGGAGAA AATTGAAAAT
 364 TTCCAACCT GTCTCTCTCT TACCTCTGTG TAAGGCAAAT ACCTTATTCT TGTGGTGT
 424 TTGTAACCTC TTCAAACCTT CATTGATTGA ATGCCTGTTT TGGCAATACA TTAGGTTGGG
 484 CACATAAGGA ATACCAACAT AAATAAAACA TTCTAAAAGA AGTTTACGAT CTAATAAAGG
 544 AGACAGGTAC ATAGCAAAC AATTCAAAGG AGCTAGAAGA TGGAGAAAAT GCTGAATGTG
 604 GACTAAGTCA TTCAACAAAG TTTTCAGGAA GCACAAAGAG GAGGGGCTCC CCTCACAGAT
 664 ATCTGGATTA GAGGCTGGCT GAGCTGATGG TGGCTGGTGT TCTCTGTTGC AGAAGTCAAG
 724 ATGGCCAAAG TTCCAGACAT GTTTGAAGAC CTGAAGAACT GTTACAGGTA AGGAATAAGA
 784 TTTATCTCTT GTGATTTAAT GAGGGTTTCA AGGCTCACCA GAATCCAGCT AGGCATAACA
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 904 GAGCAGGTT AGAGAAGACC CAGAAAAACT AAGCATTGAG CATGTTAAAC TGAGATTACA
 964 TTGGCAGGGA GACCGCCATT TTAGAAAAAT TATTTTGTAG GTCTGCTGAG CCCTACATGA
 1024 ATATCAGCAT CAACTTAGAC ACAGCCTCTG TTGAGATCAC ATGCCCTGAT ATAAGAATGG
 1084 GTTTTACTGG TCCATTCTCA GGAAAACTG ATCTCATTCA GGAACAGGAA ATGGCTCCAC
 1144 AGCAAGCTGG GCATGTGAAC TCACATATGC AGGCAAATCT CACTCAGATG TAGAAGAAAG
 1204 GTAAATGAAC ACAAAGATAA AATTACGGAA CATATTAAAC TAACATGATG TTTCCATTAT
 1264 CTGTAGTAAA TACTAACACA AACTAGGCTG TCAAAATTTT GCCTGGATAT TTTACTAAGT
 1324 ATAAATTATG AAATCTGTTT TAGTGAATAC ATGAAAGTAA TGTGTAACAT ATAATCTATT
 1384 TGGTTAAAAT AAAAAGGAAG TGCTTCAAAA CCTTTCTTTT CTCTAAAGGA GCTTAACATT
 1444 CTTCCCTGAA CTTCAATTAA AGCTCTTCAA TTTGTTAGCC AAGTCCAATT TTTACAGATA
 1504 AAGCACAGGT AAAGCTCAAA GCCTGTCTTG ATGACTACTA ATTCCAGATT AGTAAGATAT

Fig. 1

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1564 GAATTACTCT ACCTATGTGT ATGTGTAGAA GTCCTTAAAT TTCAAAGATG ACAGTAATGG
 1624 CCATGTGTAT GTGTGTGACC CACAACATATC ATGGTCATTA AAGTACATTG GCCAGAGACC
 1684 ACATGAAATA ACAACAATTA CATTCTCATC ATCTTATTTT GACAGTGAAA ATGAAGAAGA
 1744 CAGTTCCTCC ATTGATCATC TGTCTCTGAA TCAGGTAAGC AAATGACTGT AATTCTCATG
 1804 GGACTGCTAT TCTTACACAG TGGTTTCTTC ATCCAAAGAG AACAGCAATG ACTTGAATCT
 1864 TAAATACTTT TGTTTTACCC TCACTAGAGA TCCAGAGACC TGTCTTTCAT TATAAGTGAG
 1924 ACCAGCTGCC TCTCTAAACT AATAGTTGAT GTGCATTGGC TTCTCCCAGA ACAGAGCAGA
 1984 ACTATCCCAA ATCCCTGAGA ACTGGAGTCT CCTGGGGCAG GCTTCATCAG GATGTTAGTT
 2044 ATGCCATCCT GAGAAAGCCC CGCAGGCCGC TTCACCAGGT GTCTGTCTCC TAACGTGATG
 2104 TGTGTGGTT GTCTTCTCTG ACACCAGCAT CAGAGGTTAG AGAAAGTCTC CAAACATGAA
 2164 GCTGAGAGAG AGGAAGCAAG CCAGCTGAAA GTGAGAAGTC TACAGCCACT CATCAATCTG
 2224 TGTATTGTG TTTGGAGACC ACAAATAGAC ACTATAAGTA CTGCCTAGTA TGTCTTCAGT
 2284 ACTGGCTTTA AAAGCTGTCC CCAAAGGAGT ATTTCTAAAA TATTTTGAGC ATTGTTAAGC
 2344 AGATTTTTTA CCTCCTGAGA GGGAACTAAT TGGAAAGCTA CCACTCACTA CAATCATTGT
 2404 TAACCTATTT AGTTACAACA TCTCATTTTT GAGCATGCAA ATAAATGAAA AAGTCTTCCT
 2464 AAAAAATCA TCTTTTATC CTGGAAGGAG GAAGGAAGGT GAGACAAAAG GGAGAGAGGG
 2524 AGGGAAGCCT AATGAAACAC CAGTTACCTA AGACCAGAAAT GGAGATCCTC CTCACTACCT
 2584 CTGTTGAATA CAGCACCTAC TGAAAGAACT TTCATTCCCT GACCATGAAC AGCCTCTCAG
 2644 CTTCTGTTTT CCTTCCTCAC AGAAATCCTT CTATCATGTA AGCTATGGCC CACTCCATGA
 2704 AGGCTGCATG GATCAATCTG TGTCTCTGAG TATCTCTGAA ACCTCTAAAA CATCCAAGCT
 2764 TACCTCAAG GAGAGCATGG TGGTAGTAGC AACCACGGG AAGGTTCTGA AGAAGAGACG
 2824 GTTGAGTTTA AGCCAATCCA TCACTGATGA TGACCTGGAG GCCATCGCCA ATGACTCAGA
 2884 GGAAGGTAAG GGGTCAAGCA CAATAATATC TTTCTTTTAC AGTTTTAAGC AAGTAGGGAC
 2944 AGTAGAATTT AGGGGAAAAT TAAACGTGGA GTCAGAATAA CAAGAAGACA ACCAAGCATT
 3004 AGTCTGGTAA CTATACAGAG GAAAATTAAT TTTTATCCTT CTCCAGGAGG GAGAAATGAG
 3064 CAGTGGCCTG AATCGAGAAT ACTTGCTCAC AGCCATTATT TCTTAGCCAT ATTGTAAAGG
 3124 TCGTGTGACT TTTAGCCTTT CAGGAGAAAAG CAGTAATAAG ACCACTTACG AGCTATGTTT
 3184 CTCTCATACT AACTATGCCT CCTTGGTCAT GTTACATAAT CTTTTCGTGA TTCAGTTTCC
 3244 TCTACTGTAA AATGGAGATA ATCAGAATCC CCCACTCATT GGATTGTTGT AAAGATTAG
 3304 AGTCTCAGGC TTTACAGACT GAGCTAGCTG GGCCCTCCTG ACTGTTATAA AGATTAAATG
 3364 AGTCAACATC CCCTAACTTC TGGACTAGAA TAATGTCTGG TACAAAGTAA GCACCCAATA
 3424 AATGTTAGCT ATTACTATCA TTATTATTAT TATTTTATTT TTTTTTTATG AGATGGAGTC
 3484 TGGCTCTGTC ACCCAGGCTG GAGTGCAGTG GCACAATCTC GGCTCACTGC AAGCTCTGCC
 3544 TCCTGGGTTT ATGCCATTCT CCTGCCCTCAG CCTCCCGAGT AAGCTGGGAA TACAGGCACC
 3604 CGCCACTGTT CCCGGCTAAT TTTTGTATTT TTTAGTAGAG ACGGAGTTTC ACCGTGGTCT
 3664 CCATCTCCTC GTGATCCACC CACCTTGGCC TCCCAAAGTG CCGGGATTAC AGGCGTGAGC
 3724 CACCGCGCCC GGCCTATTAT TATTATTATT ACTACTACTA CTACCTATAT GAATACTACC
 3784 AGCAATACTA ATTTATTAAT GACTGGATTA TGTCTAAACC TCACAAGAAT CCTACCTTCT
 3844 CATTTTACAT AAAAGGAAAC TAAGCTCATT GAGATAGGTA AACTGCCCAA TGGCATACAT
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 3964 CTCCTCCATC CCTTACTGT ACAAGCCTCC ACATGAACTA TAAACCCAAT ATTCTGTGTT
 4024 TTAAGATAAT ACCTAAGCAA TAACGCATGT TCACCTAGAA GGTTTTTAAAA TGTAACAAAA
 4084 TATAAGAAAA TAAAAATCAC TCATATCGTC AGTGAGAGTT TACTACTGCC AGCACTATGG
 4144 TATGTTTCCT TAAAACTTTT GCTATACACA TACCTACATG TGAACAAATA TGTCTAACAT
 4204 CAAGACCACA CTATTTACAA CTTTATATCC AGCTTTTCTT ACTTAGCAAT GTATTGAGGA
 4264 CATTTTAGAG TGCCCGTTTT TCACCATTAT AAGCAATGCA ACAATGAACA TCTGTATAAA
 4324 TAAATATTCA TTTCTCTCAC CTTTATTTTC CTTAGAATAT ATTCTAGAA GTAGAATTTT
 4384 CCAGAGCCAT GAGGATTTGT GACGCTATTG ATATGTGCCA CTTTGCCTC TCTGTGACAT
 4444 ATATAATTAT TTTTAATGCA TTCATTTTTT TCTCAGAGTG CATTCGTTTG AAAACATAGA
 4504 CGGGAAATAC TGGTAGTCTT CCTGTGTCAGT TAGAAACACC CAAACAATGA AAAATGAAAA
 4564 AGTTGCACAA ATAGTCTCTA AAAACAATGA AACTATTGCC TGAGGAATTG AAGTTTAAAA
 4624 AGAAGCACAT AAGCAACAAC AAGGATAATC CTAGAAAACC AGTTCTGCTG ACTGGGTGAT
 4684 TTCATTCTC TTTGCTTCCT CATCTGGATT GGAATATTCC TAATACCCCC TCCAGAACTA

Fig. 1 (cont.)

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4744 TTTTCCCTGT TTGTACTAGA CTGTGTATAT CATCTGTGTT TGTACATAGA CATTAATCTG
 4804 CACTTGTGAT CATGGTTTTA GAAATCATCA AGCCTAGGTC ATCACCTTTT AGCTTCCTGA
 4864 GCAATGTGAA ATACAACCTT ATGAGGATCA TCAAATACGA ATTCATCCTG AATGACGCCC
 4924 TCAATCAAAG TATAATTGCA GCCAATGATC AGTACCTCAC GGCTGCTGCA TTACATAATC
 4984 TGGATGAAGC AGGTACATTA AAATGGCACC AGACATTTCT GTCATCCTCC CCTCCTTTCA
 5044 TTTACTTATT TATTTATTTT AATCTTTCTG CTTGCAAAAA ACATACCTCT TCAGAGTTCT
 5104 GGGTTGCACA ATTCTTCCAG AATAGCTTGA AGCACAGCAC CCCCATAAAA ATCCCAAGCC
 5164 AGGGCAGAAG GTTCAACTAA ATCTGGAAGT TCCACAAGAG AGAAGTTTCC TATCTTTGAG
 5224 AGTAAAGGGT TGTGCACAAA GCTAGCTGAT GTACTACCTC TTTGGTTCTT TCAGACATTC
 5284 TTACCCTCAA TTTTAAACT GAGGAACTG TCAGACATAT TAAATGATTT ACTCAGATTT
 5344 ACCCAGAAGC CAATGAAGAA CAATCACTCT CCTTTAAAAA GTCTGTTGAT CAAACTCACA
 5404 AGTAACACCA AACCAGGAAG ATCTTTATTA TCTCTGATAA CATATTTGTG AGGCAAAACC
 5464 TCCAATAAGC TACAAATATG GCTTAAAGGA TGAAGTTTAG TGTCCAAAAA CTTTTATCAC
 5524 ACACATCCAA TTTTCATGGC GGACATGTTT TAGTTTCAAC AGTATACATA TTTTCAAAGG
 5584 TCCAGAGAGG CAATTTTGCA ATAAACAAGC AAGACTTTTT CTGATTGGAT GCACTTCAGC
 5644 TAACATGCTT TCAACTCTAC ATTTACAAAT TATTTTGTGT TCTATTTTTT TACTTAATAT
 5704 TATTTCTGCA ATTTTCCCAA TATTGACATC GTGTATGTAT TTGCCATTTT TAATATCACT
 5764 AGACAATTCA ATCAGGTTGC TACGTTGGTC CCTTGGGTTT ACTCTAAATA GCTTGATTGC
 5824 AAATATCTTT GTATATATTA TTGTTTTTTC TCCTATCTTG TAATTTCTTT GAGCACATCC
 5884 CAAAGAGGAA TGCCTAGATC AATGGGCACA AATAATTTGA CAGCTCTTAT TAAACATTAT
 5944 TCTGTAAGTA AAAACTGAAC TACTTTTCAG TATCACTAGC AACATATGAG TGTATCAGCT
 6004 TCCTAAACCC CTCCATGTTA GGTCAATTATG AACTTATGAT CTAACAAATT ACAGGGTCTT
 6064 ATCCCACTAA TGAAATTATA AGAGATTCAA CACTTATTCA GCCCCGAAGG ATTCATTCAA
 6124 CGTAGAAAAAT TCTAAGAACA TTAACCAAGT ATTTACCTGC CTAGTGAGTG TGGGAAGACAT
 6184 TGTGAAGGAC ACAAAGATGT ATAGAATTCC ATTCCTGACT TCCAGGTATT TACACCATAG
 6244 GTGGGGACCT AACTACACAC ACACACACAC ACACACACAC ACCATGCACA
 6304 CACAATCTAC ATCAACACTT GATTTTATAC AAATACAATG AATTTACTTT CTTTTTGGTT
 6364 CTTCTCTTCA CCAGTGAAAT TTGACATGGG TGCTTATAAG TCATCAAAGG ATGATGCTAA
 6424 AATTACCGTG ATTCTAAGAA TCTCAAAAAC TCAATTGTAT GTGACTGCCC AAGATGAAGA
 6484 CCAACCAAGT CTGCTGAAGG TCAGTTGTCC TTGTCTCCA ACTTACCTTC ATTTACATCT
 6544 CATATGTTTG TAAATAAGCC CAATAGGCAC ACACCTCTAA CAAGGTGACA CTGTCTCTTT
 6604 TCCTTCCCTAC CACAGCCCCC ACCTACCCAC CCCACTCCCA TTGATTCCAG AGGCGTGCCT
 6664 AGGCAGGATC TATGAGAAAA TATAACAGAG AGTAAGAGGA AAATTACCTT CTTTCTTTTT
 6724 CCTTCCCTG CCTGACCTTA TTCACCTCCC ATCCCAGAGC ATCCATTAT TCCATTGATC
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 6844 TCCAAGAAAC TCAAATAAGC CAACTGAGAT CAGAGAGGAT TAATCACCTG CCAATGGGCA
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 6964 CTCTGCATTG ATGTCAGCAT TATCCTTCGT CCCAGTCCTG TCTCCACTAC CACTTTCCCC
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 7264 GTGTGGACAG TGGTGCATCA AAGCCTCTAG TCTCATAGAA CTAGTCTTC TGGAGGATAT
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 7444 AAAGCCCCTT GTGAGATGAG AGCTGCCGAC AGAGGGGGCG GGTGATGGTT GTGGGTTTTT
 7504 GGGTAGGACA TTCAGAGGAG GGGGCGGGTC GTGGTTGTGG GTTTTTGGGT AGGACATTCA
 7564 GAGGAGGGGG CGGCTCGTGG TTGTGGGTTT TTGGGTAGGA CATTCAGAGG AGGGGGCGGG
 7624 TCGTGGTTGT GGGTTTTTGG GTAGGACATT CAGAGGAGGG GGCGGTTCGT GGTGTGGGT
 7684 TTTTGGGACA TTCAGAGGAG TCTGAATGCA CCCAGGCCA CAACTTCAAG ATGGTAAAGG
 7744 ACAGCTCCAA GGATCAGAAG AAGCATTCTT GGAAGTGGG CATTTTGAGA AGGAGGAAAA
 7804 ATATGCAGAG ACTAGTGCTT GCAGAGCTTG CATTTGGATT TCATTTGAGG TACAATGAAA
 7864 ACCCATTAAT GGGTTTCACA CAGTGCAATG GCCTGACCTC ACTTATATTT CCTAAAATAG

Fig. 1 (cont.)

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7924 AAAACAGATC AGAAGGAAGG CAATAGAGAA GCAGAAAGTC CAATGAGGAG GTTTCACAGC
7984 AGTCATGGGG GTGGGGTAAG GAAAAGAAGT GGAAAGAAAC AGACAGAATT GGGTTATATT
8044 TTGGAGATAG AACCAACAGA AGGAAGAGGA GAAACAACAT TTA CTGAGAA GGGAAAAAGT
8104 AGGAGAGGAA TAGGTTTGGG AAATAAATCC TGCTGACATT GGAAACCCCA AGGAAGCCTC
8164 AAAAGTATAT TTACTTGCTT TAGATTTAAA AGAATAGGAA AGAAGCATCT CAACTTGGAA
8224 TTTGAAATCT ATTTTTCAT AAAAGTATTG TTAAATTCTA CTCATACTCA CAAGAAAAGT
8284 ACATTCTAAA GAGTATATTG AAAGAGTTTA CTGATATACT TAGGAATTTT GTGTGTATGT
8344 GTGTGTGTGT ATGTGTGTGT GTGTGTTTAA CCTTCAATTG TTGACTTAAA TACTGAGATA
8404 AATGTCATCT AAATGCTAAA TTGATTTCCC AAAGGTATGA TTTGTTCACT TGGAGATCAA
8464 AATGTTTAGG GGGCTTAGAA TCACTGTAGT GCTCAGATTT GATGCAAAAT GTCTTAGGCC
8524 TATGTTGAAG GCAGGACAGA AACAATGTTT CCCTCCTACC TGCCTGGATA CAGTAAGATA
8584 CTAGTGTAC TGACAATCTT CATAACTAAT TTAGATCTCT CTCCAATCAA CTAAGGAAAT
8644 CAACTCTTAT TAATAGACTG GGCCACACAT CTACTAGGCA TGAATAAAT GCTTGCTGAA
8704 TGAACAAATG AATGAAGAGC CTATAGCATC ATGTTACAGC CATAGTCCTA AAGTGGTGT
8764 TCTCATGAAG GCCAAATGCT AAGGGATTGA GCTTCAGTCC TTTTCTAAC ATCTTGTTCT
8824 CTAACAGAAT TCTCTTCTTT TCTTCATAGG AGATGCCTGA GATACCCAAA ACCATCACAG
8884 GTAGTGAGAC CAACCTCCTC TTCTTCTGGG AAATCAGCG CACTAAGAAC TATTTACAT
8944 CAGTTGCCCA TCCAAACTTG TTTATTGCCA CAAAGCAAGA CTACTGGGTG TGCTGGCAG
9004 GGGGGCCACC CTCTATCACT GACTTTCAGA TACTGGAAAA CCAGGCGTAG GTCTGGAGTC
9064 TCACTTGCTCT CACTTGTCGA GTGTTGACAG TTCATATGTA CCATGTACAT GAAGAAGCTA
9124 AATCCTTTAC TGTTAGTCAT TTGCTGAGCA TGTACTGAGC CTTGTAATTC TAAATGAATG
9184 TTTACTACTCT TTGTAAGAGT GGAACCAACA CTAACATATA ATGTTGTTAT TTAAAGAACA
9244 CCCTATATTT TGCATAGTAC CAATCATTTT AATTATTATT CTTCATAACA ATTTTAGGAG
9304 GACCAGAGCT ACTGACTATG GCTACCAAAA AGACTCTACC CATATTACAG ATGGGCAAAT
9364 TAAGGCATAA GAAAACTAAG AAATATGCAC AATAGCAGTT GAAACAAGAA GCCACAGACC
9424 TAGGATTTCA TGATTTTCATT TCAACTGTTT GCCTTCTGCT TTTAAGTTGC TGATGAACCTC
9484 TTAATCAAAT AGCATAAGTT TCTGGGACCT CAGTTTATC ATTTTCAAAA TGGAGGGAAT
9544 AATACCTAAG CCTTCCTGCC GCAACAGTTT TTTATGCTAA TCAGGGAGGT CATTTTGGTA
9604 AAATACTTCT CGAAGCCGAG CCTCAAGATG AAGGCAAAGC ACGAAATGTT ATTTTAAAT
9664 TATTATTTAT ATATGTATTT ATAAATATAT TTAAGATAAT TATAATATAC TATATTTATG
9724 GGAACCCCTT CATCCTCTGA GTGTGACCAG GCATCCTCCA CAATAGCAGA CAGTGTTTTC
9784 TGGGATAAGT AAGTTTGATT TCATTAATAC AGGGCATTTT GGTCCAAGTT GTGCTTATCC
9844 CATAGCCAGG AAACCTCTGCA TTCTAGTACT TGGGAGACCT GTAATCATAT AATAAATGTA
9904 CATTAATTAC CTTGAGCCAG TAATTGGTCC GATCTTTGAC TCTTTTGCCA TTAAACTTAC
9964 CTGGGCATTC TTGTTTCATT CAATTCCACC TGCAATCAAG TCCTACAAGC TAAAATTAGA
10024 TGAACCAAC TTTGACAACC ATGAGACCAC TGTATCAAA ACTTTCTTTT CTGGAATGTA
10084 ATCAATGTTT CTTCTAGGTT CTAAAAATTG TGATCAGACC ATAATGTTAC ATTATTATCA
10144 ACAATAGTGA TTGATAGAGT GTTATCAGTC ATAACATAAT AAAGCTTGCA ACAAATCTCT
10204 CTGACACATA GTTATTCATT GCCTTAATCA TTATTTTACT GCATGGTAAT TAGGGACAAA
10264 TGGTAAATGT TTACATAAAT AATTGTATTT AGTGTTACTT TATAAAATCA AACCAAGATT
10324 TTATATTTTT TTCTCCTCTT TGTTAGCTGC CAGTATGCAT AAATGGCATT AAGAATGATA
10384 ATATTTCCGG GTTCACTTAA AGCTCATATT ACACATACAC AAAACATGTG TTCCCATCTT
10444 TATACAAACT CACACATACA GAGCTACATT AAAACAACCT AATAGGCCAG GCACGGTGGC
10504 TCAGACCTGT AATCCCAGCA CTTTGGGAGG

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Fig. 1 (cont.)

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-1933 AGAAAGAAAG AGAGAGAGAA AGAAAAGAAA GAGGAAGGAA GGAAGGAAGG AAGAAAGACA
-1873 GGCTCTGAGG AAGGTGGCAG TTCCTACAAC GGGAGAACCA GTGGTTAATT TGCAAAGTGG
-1813 ATCCTGTGGA GGCANNCAGA GGAGTCCCCT AGGCCACCCA GACAGGGCTT TTAGCTATCT
-1753 GCAGGCCAGA CACCAAATTT CAGGAGGGCT CAGTGTTAGG AATGGATTAT GGCTTATCAA
-1693 ATTCACAGGA AACTAACATG TTGAACAGCT TTTAGATTTC CTGTGGAAAA TATAACTTAC
-1633 TAAAGATGGA GTTCTTGTGA CTGACTCCTG ATATCAAGAT ACTGGGAGCC AAATTAAGAAA
-1573 TCAGAAGGCT GCTTGGAGAG CAAGTCCATG AAATGCTCTT TTTCCCACAG TAGAACCTAT
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-1333 AAAGATTTCA GTTTCCTGGA GGAACCAGGA GGGCAAGGTT TCAACTCAGT GCTATAAGAA
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-1213 GGGCAGATCA CAAGGTCAGG AGATCGAGAC CATCCTGGCT AACATGGTGA AACCCTGTCT
-1153 CTAATAAAAA TACAAAAAAT TAGCCGGGCG TTGGCGGCAG GTGCCTGTAG TCCAGCTGC
-1093 TGGGGAGGCT GAGGCAGGAG AATGGTGTGA ACCCGGGAGG CGGAACCTGC AGGGGGCCGA
-1033 GATCGTGCCA CTGCACTCCA GCCTGGGCGA CAGAGTGAGA CTCTGTCTCA AAAAAAAAAA
-973 AAAAGTGTTA TGATGCAGAC CTGTCAAAGA GGCAAAGGAG GGTGTTCTTA CACTCCAGGC
-913 ACTGTTTATA ACCTGGACTC TCATTCATTC TACAAATGGA GGGCTCCCCT GGGCAGATCC
-853 CTGGAGCAGG CACTTTGCTG GTGTCTCGGT TAAAGAGAAA CTGATAACTC TTGGTATTAC
-793 CAAGAGATAG AGTCTCAGAT GGATATTCTT ACAGAAACAA TATTCCTACT TTTCAGAGTT
-733 CACCAAAAAA TCATTTTAGG CAGAGCTCAT CTGGCATTGA TCTGGTTCAT CCATGAGATT
-673 GGCTAGGGTA ACAGCACCTG GTCTTGCAGG GTTGTGTGAG CTTATCTCCA GGGTTGCCCC
-613 AACTCCGTCA GGAGCCTGAA CCCTGCATAC CGTATGTTCT CTGCCCCAGC CAAGAAAGGT
-553 CAATTTTCTC CTCAGAGGCT CCTGCAATTG ACAGAGAGCT CCCGAGGCAG AGAACAGCAC
-493 CCAAGGTAGA GACCCACACC CTCAATACAG ACAGGGAGGG CTATTGGCCC TTCATTGTAC
-433 CCATTTTATC ATCTGTAAAGT GGAAGATTTC CTAAACTTAA GTACAAAGAA GTGAATGAAG
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-313 AAACATTCTT CTAACGTGGG AAAATCCAGT ATTTTAATGT GGACATCAAC TGCACAACGA
-253 TTGTCAGGAA AACAATGCAT ATTTGCATGG TGATACATTT GCAAAATGTG TCATAGTTTG
-193 CTACTCCTTG CCCTTCCATG AACCAGAGAA TTATCTCAGT TTATTAGTCC CCTCCCCTAA
-133 GAAGCTTCCA CCAATACTCT TTTCCCCTTT CTTTAACTT GATTGTGAAA TCAGGTATTC
-73 AACAGAGAAA TTTCTCAGCC TCCTACTTCT GCTTTTGAAA GCTATAAAAA CAGCGAGGGA
-13 GAAACTGGCA GATACCAAAC CTCTTCGAGG CACAAGGCAC AACAGGCTGC TCTGGGATTC
48 TCTTCAGCCA ATCTTCATTG CTCAAGTATG ACTTTAATCT TCCTTACAAC TAGGTGCTAA
108 GGGAGTCTCT CTGTCTCTCT GCCTCTTTGT GTGTATGCAT ATTCTCTCTC TCTCTCTCTT
168 TCTTTCTCTG TCTCTCCTCT CCTTCTCTCT TGCTCTCTCT CTCAGCTTTT TGCAAAAATG
228 CCAGGTGTAA TATAATGCTT ATGACTCGGG AAATATTCTG GGAATGGATA CTGCTTATCT
288 AACAGCTGAC ACCCTAAAGG TTAGTGTCAA AGCCTCTGCT CCAGCTCTCC TAGCCAATAC
238 ATTGCTAGTT GGGGTTTGGT TTAGCAAATG CTTTCTCTTA GACCCAAAGG ACTTCTCTTT
308 CACACATTCA TTCATTTACT CAGAGATCAT TTCTTTGCAT GACTGCCATG CACTGGATGC
468 TGAGAGAAAT CACACATGAA CGTAGCCGTC ATGGGGAAGT CACTCATTTT CTCCTTTTAA
528 CACAGGTGTC TGAAGCAGCC ATGGCAGAAG TACCTGAGCT CGCCAGTGAA ATGATGGCTT
588 ATTACAGGTC AGTGGAGACG CTGAGACCAG TAACATGAGC AGGTCTCCTC TTTCAAGAGT
648 AGAGTGTTAT CTGTGCTTGG AGACCAGATT TTTCCCCTAA ATTGCCTCTT TCAGTGGCAA
708 ACAGGGTGCC AAGTAAATCT GATTTAAAGA CTACTTTCCC ATTACAAGTC CCTCCAGCCT
768 TGGGACCTGG AGGCTATCCA GATGTGTTGT TGCAAGGGCT TCCTGCAGAG GCAAATGGGG
828 AGAAAAGATT CCAAGCCAC AATAACAAGG ATCCCTTTGC AAAGTGTGGC TTGGAGGGAG
888 AGGGAGAGCT CAGATTTTAG CTGACTCTGC TGGGCTAGAG GTTAGGCCTC AAGATCCAAC
948 AGGGAGCACC AGGGTGCCCA CCTGCCAGGC CTAGAATCTG CTTTCTGGAC TGTTCTGCGC
1008 ATATCACTGT GAAACTTGCC AGGTGTTTCA GGCAGCTTTG AGAGGCAGGC TGTTTGCAGT

```

Fig. 2

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1068	TTCTTATGAA	CAGTCAAGTC	TTGTACACAG	GGAAGGAAAA	ATAAACCTGT	TTAGAAGACA
1128	TAATTGAGAC	ATGTCCCTGT	TTTTATTACA	GTGGCAATGA	GGATGACTTG	TTCTTTGAAG
1188	CTGATGGCCC	TAAACAGATG	AAGGTAAGAC	TATGGGTTTA	ACTCCCAACC	CAAGGAAGGG
1248	CTCTAACACA	GGGAAAGCTC	AAAGAAGGGA	GTTCTGGGCC	ACTTTGATGC	CATGGTATTT
1308	TGTTTTAGAA	AGACTTTAAC	CTCTTCCAGT	GAGACACAGG	CTGCACCACT	TGCTGACCTG
1368	GCCACTTGGT	CATCATATCA	CCACAGTCAC	TCACTAACGT	TGGTGGTGGT	GGCCACACTT
1428	GGTGGTGACA	GGGGAGGAGT	AGTGATAATG	TTCCCATTTC	ATAGTAGGAA	GACAACCAAG
1488	TCTTCAACAT	AAATTTGATT	ATCCTTTTAA	GAGATGGATT	CAGCCTATGC	CAATCACTTG
1548	AGTTAAACTC	TGAAACCAAG	AGATGATCTT	GAGAACTAAC	ATATGTCTAC	CCCTTTTGAG
1608	TAGAATAGTT	TTTTGCTACC	TGGGGTGAAG	CTTATAACAA	CAAGACATAG	ATGATATAAA
1668	CAAAAAGATG	AATTGAGACT	TGAAAGAAAA	CCATTCACTT	GCTGTTTGAC	CTTGACAAGT
1728	CATTTTACCC	GCTTTGGACC	TCATCTGAAA	AATAAAGGGC	TGAGCTGGAT	GATCTCTGAG
1788	ATTCCAGCAT	CCTGCAACCT	CCAGTTCCTGA	AATATTTTCA	GTTGTAGCTA	AGGGCATTTG
1848	GGCAGCAAT	GGTCATTTTT	CAGACTCATC	CTTACAAAGA	GCCATGTTAT	ATTCTGCTG
1908	TCCCTTCTGT	TTTATATGAT	GCTCAGTAGC	CTTCCTAGGT	GCCCAGCCAT	CAGCCTAGCT
1968	AGGTCAGTTG	TGCAGGTTGG	AGGCAGCCAC	TTTTCTCTGG	CTTTATTTTA	TTCCAGTTTG
2028	TGATAGCCTC	CCCTAGCCTC	ATAATCCAGT	CCTCAATCTT	GTTAAAAACA	TATTTCTTTA
2088	GAAGTTTTAA	GACTGGCATA	ACTTCTTGCC	TGCAGCTGTG	GGAGGAGCCC	ATTGGCTTGT
2148	CTGCCTGGCC	TTTGCCCCC	ATTGCCCTCT	CCAGCAGCTT	GGCTCTGCTC	CAGGCAGGAA
2208	ATTCTCTCCT	GCTCAACTTT	CTTTTGTGCA	CTTACAGGTC	TCTTTAACTG	TCTTTCAAGC
2268	CTTTGAACCA	TTATCAGCCT	TAAGGCAACC	TCAGTGAAGC	CTTAATACGG	AGCTTCTCTG
2328	AATAAGAGGA	AAGTGGTAA	ATTTACAAAA	AAGTACTCTC	ACAGGATTTG	CAGAATGCCT
2388	ATGAGACAGT	GTTATGAAAA	AGGAAAAAAA	AGAACAGTGT	AGAAAAATTG	AATACTTGCT
2448	GAGTGAGCAT	AGGTGAATGG	AAAATGTTAT	GGTCATCTGC	ATGAAAAAGC	AAATCATAGT
2508	GTGACAGCAT	TAGGGATACA	AAAAGATATA	GAGAAGGTAT	ACATGTATGG	TGTAGGTGGG
2568	GCATGTACAA	AAAGATGACA	AGTAGAATCG	GGATTTATTC	TAAAGAATAG	CCTGTAAGGT
2628	TCCAGAAGC	CACATTCTAG	TCTTGAGTCT	GCCTCTACCT	GCTGTGTGCC	CTTGAGTACA
2688	CCCTTAACCT	CCTTGAGCTT	CAGAGAGGGA	TAATCTTTTT	ATTTTATTTT	ATTTTATTTT
2748	GTTTTGTTTT	GTTTTGTTTT	GTTTTATGAG	ACAGAGTCTC	ACTCTGTTGC	CCAGGCTGGA
2808	GTGCAGTGGT	ACAATCTTGG	CTTACTGCAT	CCTCCACCTC	CTGAGTTCAA	GCGATTCTCC
2868	TTCTCAGTC	TCCTGAATAG	CTAGGATTAC	AGGTGCACCC	CACCACACCC	AGCTAATTTT
2928	TGTATTTTTA	GTAGAGAAGG	GGTTTCGCCA	TGTTGGCCAG	GCTGGTTTTG	AAGTCTGAC
2988	CTAAATGATT	CATCCACCTC	GGCTTCCCAA	AGTGCTGGGA	TTACAGGCAT	GAGCCACCAC
3048	GCCTGGCCCA	GAGAGGGATG	ATCTTTAGAA	GCTCGGGATT	CTTTCAAGCC	CTTCTCTCCT
3108	CTCTGAGCTT	TCTACTCTCT	GATGTCAAAG	CATGGTTCCT	GGCAGGACCA	CCTCACCAGG
3168	CTCCCTCCCT	CGCTCTCTCC	GCAGTGCTCC	TTCCAGGACC	TGGACCTCTG	CCCTCTGGAT
3228	GGCGGCATCC	AGCTACGAAT	CTCCGACCAC	CACTACAGCA	AGGGCTTCAG	GCAGGCCGCG
3288	TCAGTTGTTG	TGGCCATGGA	CAAGCTGAGG	AAGATGCTGG	TTCCCTGCCC	ACAGACCTTC
3348	CAGGAGAATG	ACCTGAGCAC	CTTCTTTCCC	TTCATCTTTG	AAGAAGGTAG	TTAGCCAAGA
3408	GCAGGCAGTA	GATCTCCACT	TGTGTCTCT	TGGAAGTCAT	CAAGCCCCAG	CCAACCTCAAT
3468	TCCCCCAGAG	CCAAAGCCCT	TTAAAGGTAG	AAGGCCCAGC	GGGGAGACAA	AACAAAGAAG
3528	GCTGGAAACC	AAAGCAATCA	TCTCTTTAGT	GGAAACTATT	CTTAAAGAAG	ATCTTGATGG
3588	CTACTGACAT	TTGCAACTCC	CTCACTCTTT	CTCAGGGGCC	TTTCACTTAC	ATTGTCACCA
3648	GAGGTTTCGTA	ACCTCCCTGT	GGGCTAGTGT	TATGACCATC	ACCATTTTAC	CTAAGTAGCT
3708	CTGTTGCTCG	GCCACAGTGA	GCAGTAATAG	ACCTGAAGCT	GGAACCCATG	TCTAATAGTG
3768	TCAGGTCCAG	TGTTCTTAGC	CACCCCACTC	CCAGCTTCAT	CCCTACTGGT	GTTGTATCA
3828	GACTTTGACC	GTATATGCTC	AGGTGTCCTC	CAAGAAATCA	AATTTTGCCA	CCTCGCCTCA
3888	CGAGGCCTGC	CCTTCTGATT	TTATACCTAA	ACAACATGTG	CTCCACATTT	CAGAACCTAT
3948	CTTCTTCGAC	ACATGGGATA	ACGAGGCTTA	TGTGCACGAT	GCACCTGTAC	GATCACTGAA
4008	CTGCACGCTC	CGGGACTCAC	AGCAAAAAAG	CTTGGTGATG	TCTGGTCCAT	ATGAACTGAA
4068	AGCTCTCCAC	CTCCAGGGAC	AGGATATGGA	GCAACAAGGT	AAATGGAAAC	ATCCTGGTTT
4128	CCCTGCCTGG	CCTCCTGGCA	GCTTGCTAAT	TCTCCATGTT	TTAAACAAAG	TAGAAAGTTA
4188	ATTTAAGGCA	AATGATCAAC	ACAAGTGAAA	AAAAATATTA	AAAAGGAATA	TACAAACTTT

Fig. 2 (cont.)

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4248 GGTCCCTAGAA ATGGCACATT TGATTGCACT GGCCAGTGCA TTTGTTAACA GGAGTGTGAC
 4308 CCTGAGAAAT TAGACGGCTC AAGCACTCCC AGGACCATGT CCACCCAAGT CTCTTGGGCA
 4368 TAGTGCAGTG TCAATTCTTC CACAATATGG GGTCAATTGA TGGACATGGC CTAAGTGCCT
 4428 GTGGGTCTC TCTTCCTGTT GTTGAGGCTG AAACAAGAGT GCTGGAGCGA TAATGTGTCC
 4488 ATCCCCCTCC CCAGTCTTCC CCCCTTGCCC CAACATCCGT CCCACCCAAT GCCAGGTGGT
 4548 TCCTTGTAAG GAAATTTTAC CGCCCAGCAG GAACTTATAT CTCTCCGCTG TAACGGGCAA
 4608 AAGTTTCAAG TGCAGTGAAC CCATCATTAG CTGTGGTGAT CTGCCTGGCA TCGTGCCACA
 4668 GTAGCCAAAG CCTCTGCACA GGAGTGTGGG CAACTAAGGC TGCTGACTTT GAAGGACAGC
 4728 CTCCTCAGG GGAAGCTAT TTGCTCTCAG CCAGGCCAAG AAAATCCTGT TTCTTTGGAA
 4788 TCGGGTAGTA AGAGTGATCC CAGGGCCTCC AATTGACACT GCTGTGACTG AGGAAGATCA
 4848 AAATGAGTGT CTCTCTTTGG AGCCACTTTC CCAGCTCAGC CTCTCCTCTC CCAGTTTCTT
 4908 CCCATGGGCT ACTCTCTGTT CCTGAAACAG TTCTGGTGCC TGATTTCTGG CAGAAGTACA
 4968 GCTTCACCTC TTTCTTTTCC TTCCACATTG ATCAAGTTGT TCCGCTCCTG TGGATGGGCA
 5028 CATTGCCAGC CAGTGACACA ATGGCTTCCCT TCCTTCCTTC CTTCAGCATT TAAATGTAG
 5088 ACCCTCTTTT ATTCTCCGTT CCTACTGCTA TGAGGCTCTG AGAAACCTC AGGCCTTTGA
 5148 GGGGAAACCC TAAATCAACA AAATGACCCCT GCTATTGTCT GTGAGAAGTC AAGTTATCCT
 5208 GTGTCTTAGG CCAAGGAACC TCACTGTGGG TTCCCACAGA GGCTACCAAT TACATGTATC
 5268 CTAATCTCGG GGCTAGGGGT TGGGGTGACC CTGCATGCTG TGTCCCTAAC CACAAGACCC
 5328 CCTTCTTTCT TCAGTGGTGT TCTCCATGTC CTTTGTACAA GGAGAAGAAA GTAATGACAA
 5388 AATACCTGTG GCCTTGGGCC TCAAGGAAAA GAATCTGTAC CTGTCTGTGCG TGTGAAAGA
 5448 TGATAAGCCC ACTCTACAGC TGGAGGTAAG TGAATGCTAT GGAATGAAGC CCTTCTCAGC
 5508 CTCCTGCTAC CACTTATTCC CAGACAATTG ACCTTCTCCC CGCCCCCATC CCTAGGAAAA
 5568 GCTGGGAACA GGTCTATTG ACAAGTTTTG CATTAATGTA AATAAATTTA ACATAATTTT
 5628 TAACTGCGTG CAACCTCAA TCCTGCTGCA GAAAATTAAA TCATTTTGCC GATGTTATTA
 5688 TGTCCTACCA TAGTTACAAC CCCAACAGAT TATATATTGT TAGGGCTGCT CTCATTTGAT
 5748 AGACACCTTG GGAAATAGAT GACTTAAAGG GTCCCATTAT CACGTCCACT CCACTCCCAA
 5808 AATCACCACC ACTATCACCT CCAGCTTTCT CAGCAAAAAGC TTCATTTCCA AGTTGATGTC
 5868 ATTCTAGGAC CATAAGGAAA AATACAATAA AAAGCCCCTG GAACTAGGT ACTTCAAGAA
 5928 GCTCTAGCTT AATTTTCACC CCCCCAAAAA AAAAAAATC TCACCTACAT TATGCTCCTC
 5988 AGCATTTGGC ACTAAGTTTT AGAAAAGAAG AAGGGCTCTT TTAATAATCA CACAGAAAGT
 6048 TGGGGGCCCC GTTACAACCTC AGGAGTCTGG CTCCTGATCA TGTGACCTGC TCGTCAGTTT
 6108 CCTTTCTGGC CAACCCAAAG AACATCTTTC CCATAGGCAT CTTTGTCCCT TGCCCCACAA
 6168 AAATTCTTCT TTCTCTTTTCG CTGCAGAGTG TAGATCCCAA AAATTACCCA AAGAAGAAGA
 6228 TGGAAAAGCG ATTTGTCTTC AACAAGATAG AAATCAATAA CAAGCTGGAA TTTGAGTCTG
 6288 CCCAGTTCCC CAACTGGTAC ATCAGCACCT CTCAAGCAGA AAACATGCCC GTCTTCCTGG
 6348 GAGGGACCAA AGGCGGCCAG GATATAACTG ACTTCACCAT GCAATTTGTG TCTTCCATAA
 6408 GAGAGCTGTA CCCAGAGAGT CCTGTGCTGA ATGTGGACTC AATCCCTAGG GCTGGCAGAA
 6468 AGGGAACAGA AAGGTTTTTG AGTACGGCTA TAGCCTGGAC TTTCTGTGTTG TCTACACCAA
 6528 TGCCCAACTG CCTGCCTTAG GGTAGTGCTA AGAGGATCTC CTGTCCATCA GCCAGGACAG
 6588 TCAGCTCTCT CCTTTCAGGG CCAATCCCCA GCCCTTTTGT TGAGCCAGGC CTCTCTCACC
 6648 TCTCCTACTC ACTTAAAGCC CGCCTGACAG AAACCACGGC CACATTTGGT TCTAAGAAAC
 6708 CCTCTGTCAT TCGCTCCAC ATTCTGATGA GCAACCGCTT CCCTATTTAT TTATTTATTT
 6768 GTTTGTTTTGT TTTGATTTCAT TGGTCTAATT TATTCAAAGG GGGCAAGAAG TAGCAGTGTC
 6828 TGTAAGAGAG CCTAGTTTTT AATAGCTATG GAATCAATTC AATTTGGACT GGTGTGCTCT
 6888 CTTTAAATCA AGTCCTTTAA TTAAGACTGA AAATATATAA GCTCAGATTA TTTAAATGGG
 6948 AATATTTTATA AATGAGCAAA TATCATACTG TTCAATGGTT CTGAAATAAA CTTCACTGAA
 7008 GAAAAAAAAA AAAGGGTCTC TCCTGATCAT TGACTGTCTG GATTGACACT GTCAGTAAGC
 7068 AAACAGGCTG TGAGAGTTCT TGGGACTAAG CCCACTCCTC ATTGCTGAGT GCTGCAAGTA
 7128 CCTAGAAATA TCCTTGGCCA CCGAAGACTA TCCTCCTCAC CCATCCCCTT TATTTCTGTTG
 7188 TTCAACAGAA GGATATTCAG TGCACATCTG GAACAGGATC AGCTGAAGCA CTGCAGGGAG
 7248 TCAGGACTGG TAGTAACAGC TACCATGATT TATCTATCAA TGCACCAAAC ATCTGTTGAG
 7308 CAAGCGCTAT GTACTAGGAG CTGGGAGTAC AGAGATGAGA ACAGTCACAA GTCCCTCCTC
 7368 AGATAGGAGA GGCAGCTAGT TATAAGCAGA ACAAGGTAAC ATGACAAGTA GAGTAAGATA

Fig. 2 (cont.)

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7428 GAAGAACGAA GAGGAGTAGC CAGGAAGGAG GGAGGAGAAC GACATAAGAA TCAAGCCTAA
7488 AGGGATAAAC AGAAGATTTC CACACATGGG CTGGGCCAAT TGGGTGTCGG TTACGCCTGT
7548 AATCCCAGCA CTTTGGGTGG CAGGGGCAGA AAGATCGCTT GAGCCCAGGA GTTCAAGACC
7608 AGCCTGGGCA ACATAGTGAG ACTCCCATCT CTACAAAAAA TAAATAAATA AATAAAACAA
7668 TCAGCCAGGC ATGCTGGCAT GCACCTGTAG TCCTAGCTAC TTGGGAAGCT GACACTGGAG
7728 GATTGCTTGA GCCCAGAAGT TCAAGACTGC AGTGAGCTTA TCCGTTGACC TGCAGGTCGA
7788 C

Fig. 2 (cont.)


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-5988 GTCGACCTGC AGGTCAACGG ATCTGAGAGG AGAGTAGCTT CTTGTAGATA ACAGTTGGAT
-5928 TATATACCAT GTCCTGATCC CCTTCATCAT CCAGGAGAGC AGAGGTGGTC ACCCTGATAG
-5868 CAGCAAGCCT GGGGGCTGCA GCTTGGTGGG TAGAGGTACT CAGGGGTACA GATGTCTCCA
-5808 AACCTGTCCT GCTGCCCTAG GGAGCTTCTA ATAAGTTGAT GGATTTGGTT AAAATTAAC
-5748 TGGCTACTTG GCAGGACTGG GTCAGTGAGG ACCAACAAAA AGAAGACATC AGATTATACC
-5688 CTGGGGGTTT GTATTTCTTG TGTTCCTTTC TCTTCCTTGT ACTAAAATAT TTACCCATGA
-5628 CTGGGAAAGA GCAACTGGAG TCTTTGTAGC ATTATCTTAG CAAAAATTA CAAAGTTTGG
-5568 AAAACAATAT TGCCCATATT GTGTGGTGTG TCCTGTGACA CTCAGGATTC AAGTGTGGC
-5508 CGAAGCCACT AAATGTGAGA TGAAGCCATT ACAAGGCAGT GTGCACATCT GTCCACCCAA
-5448 GCTGGATGCC AACATTTTAC AAATAGTGCT TGCCTGACAC AAATGCAGTT CCAGGAGGCC
-5388 CAAATGAAAA TGTTTGTACT GAAATTTGTT AAAGCTTCCC GACAACTAG ATTTATCAGT
-5328 AAGGATTGTT TTCTGCAAGG GGGATGAAAC TTGTGGGGTG AGCCATTGG GCTGAGGAGG
-5268 AGGGAGGTTG GAGCTGAGAA ATGTGGAGAC AATTTCCCTT TAGAAGGACT GAATCTCCCT
-5208 GCCTCTCTGG GGTGCGGCAG CCAGCAGGAT CCAATGGTGT ATATGTCTCC CCAGCTCCCC
-5148 ATTCAGTGAT ATCATGTCAG TAGCTTGAAA TTATCCGTGG TGGGAGTATT ATGTCATGGA
-5088 AATTGGCAAA TGGAAACTTT TATTGGAGAT TCAATTGTTA AACTTTTACC AGCACAACAC
-5028 TGCCCTGCCT TCAGAGTCAA TGACCTATC CAAGTTTAAT CCATCTGTCC ACTGTCTCCA
-4968 ACACGATCTT TATAAAACAC ACCTGACAAC ATTACCCTTT TATTCAGTTT TTTAAAAGAT
-4908 AAGTTTCCAG CTCATCGGGG TGGCTTTAAA GGCCATTTCT CCTCTGGACC TCACCCAACT
-4848 TTTCAAATCA CTTTTCTTAC CCCTACCTCT AAATGCTACT CAAACTCCAG CCATCCTGAA
-4788 TAATAAGACT TTTGAAAAGT AGATTATGGG CTGGGCACAG TGGCTCACAC CTGTAATCCC
-4728 AGCACTTTGG GAGGCCAAGA TGGGTGGATC ACCTGAGGTC GGGAGTTCGA GACCAGCCTG
-4668 ACTAACATAG TGAAACCCTG TCTCTACTAA AAATACAAAA TTAGTTGGGG GTGGTGGCAC
-4608 AAGCCTGTAA TCCCAGCTAC TCAGGAGGTT GAGGCAGGGG AATTGCTTGA ACCTGGGAGG
-4548 CGGAGGTTGC GGTGAGCCTA GATTGCTCCA CTGCACTCCA GCCTGGGCAA CAAGAGCGAA
-4488 ACTCCATCTC AAAAAATAA ATAAATAAAT AAAGTAGATT ACATCAGATA CCTCTGGCCT
-4428 AGGTGTGTTA TGACCAACTC TCCTGCTGAG AATAACTAGA AAAGCTAGAC AAAACATATT
-4368 TCCAAAAGAT CTCTTTGGAG GCATCAGAGA ATGGCCAAGG CTGTAAGGAA CTGCCTGAGC
-4308 CCAGAGAGGT GGAGCCCAGC ACTGGTGCCC TTTACTCCTG GGGGAGATGA AATTTGTACC
-4248 AAACCTCAGC TGAGCTTTTG AGCATTCATG GAACCTGGTG GGGGAGATGA AATTTGTACC
-4188 TTAAATCCTG CCTACAGGGA GGTCCCCTGA TAATCCCCAC CCAATTTGGA AATCTGGGTC
-4128 AGCCTTCACA GGTACTGAAG CCCTCCCTGA AATGATCTCA AGTCCTGCTA GGGTAGAGGT
-4068 TACCTGCTTT TGAAAGGCTC CTGGCCTACC TGTGCAGCAG GAGCAAAAGT GAACCATCTC
-4008 AGGGTACAGA TAACAATCAT CCAGAGCCTT GAATGACCTC TACTGTGCTT AATATATAGT
-3948 ATTCAGCAGT CAGTAAAAAG GATTTAGGCA CATGCAAGAT GACCTGTGTA TCAGGGAGAA
-3888 ATAGGCAATA AATTGAGATC CAGCAGGGAT TTGAATCATG GATTTGAATC AGGGGCAGCC
-3828 TTCGAAAGAA CTATGGAGAA TATACTCAGA TTTAAAACAT AAGATTGGAA TTTTGGCAG
-3768 AGAACTAACA ACTGTACAAA AAAGGAACCA AATGGAAATC CTAGAACTGA AAGATGCAAT
-3708 TAACCGATGT TGAGAAATAG CCAACATCTA TTGAACACTT CCCATGTGGA CAGCTGTGCT
-3648 AAACACTTTA CAGGCATCAA CATAAGATGT GTCCCCTTAC AGCAGTGCAG TGTCCCTCCT
-3588 AAGACATGGA CAGCCTGGTT TCCCTATCTC TCTGCTTCAT CAAAACCCCT TTACGTGGGG
-3528 CTTAGACACT CCTGTGTCTC CTAGTGTCTA GTAGCACAGG GCTCAGCACA TGGAAGCCAC
-3468 TAGATACAAT TTGATGACCA GGACCTCCGA TGAAAGCCAT GGGTGTCTGAT TGGGAAGGCA
-3408 TTGTCTTTTA TGTGCTATGG TCTTAAAGCT TCATCCAGGA AGCAGAACTC GGGGGGTGCT
-3348 GAGGACCCAG AACCGAGAAT AAGATTAGTC AGAGATTTCC TGTGGGCAGA AATCATAAGG
-3288 ACGCCAACTG TTTGGGTGAG ATAAGACGAA ACCAAGAGTG GACTTGTGGC CAGAAGCGTG
-3228 AGGAAGAGGG AGAGAGCTTC CTTGTCCCC TTTCTTCCTC TCCCTAAGCC ACAGTGATTG
-3168 ACAGCCCCC CGCTTTGGAG TCAGAGCAGG CTTGAGACTG GACTGGGAAA GGAGGGTGGG
-3108 TCAGGATACA GAGCAGGAAG GCTGGGAGTG CAGGGCAGGA GCAAGGGGCT GGGGCATTCA
-3048 TTGTGCCTGA TCTCTCCAC TTTACCTGGG GTAAAGAAGC ATATGCAAAA GCCACGGTGT

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Fig. 3

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-2988 GAGTATTTCC CAAGTGCCAG GGTGAGGCA TGATTCATCA CGTGCAGCAT TTCATTCAAT
 -2928 CCTTATAGTA ACCGATGATG TGGCTTCTAT TATTAGCTCT ATCAGATAAT GAAACTGAGA
 -2868 CCAAGACAGG CTCTGCACAT TGTGTGGGGT AATGACACAG GGGGATTTCAG ACCTAGACTC
 -2808 CATAACTCCT GCCCCAGGGA CCACCCAC CCTCACCTG TGCATGTCGA CAAAGGACAG
 -2748 ACTGGGCCAC TTCTCAGGAC ACAGCGGGGA AATGACACAG AGCAGGGAGG TTCCAGGAGC
 -2688 CCCGAGCGTC TTTTCTCCAG GAGAATACTC TCTGAATTCA GACTGGGGTC AGAGAAACAT
 -2628 TTACCCAGGA GCCGCAGTGT GGGTGGGGCT TTTTACTTGA AACGCTGTCT GAAGGCAGTG
 -2568 GCAGGATGAA CTCTCCACCC TACCTTGGCA AGCCACTTCT CTTCTGCAAT CTGTAAGGAC
 -2508 ATTGTTGAGA GAATTATGGT CTTCCAATTC CGGAGGGTTG AAGAAAGACA AATAGGAGAG
 -2448 AACCTATCAT AGTCAGGTGC TAGCTGCCTT CTCTTTCAGA GAGTGTGAGA ATAAAGTGAT
 -2388 ACACTTGATT ATTAGCAAAT ACTTTGAAA TTTTAAACGC TAATATTCAA CACACTCTGG
 -2328 AAGAGGCAAA TAAGTAGACA GGTTCATATA CATCATCTCC TTCAGCTAGT CCTCACAAAA
 -2268 ACAACAAAT GAATAACAA AATTCTTCTT TGGCCCTCAT AGGAAGACAC TGTTTCTTGA
 -2208 ACGTGTTC AAGGATGG GTGACTCACT CAAGGTCACA CTGTTTATGA GGACAGTACA
 -2148 GGAATACAGA CATGCCATTT TGCCTGAAAA AATCCATCAC CCAGGGAGGT GACACAATTT
 -2088 TGCAGAAATG TTCTATTTCC TCTGAAGGAT ACATTCTTTA AACCTTTGGG AAATTCATTC
 -2028 ATAGTCTTCC TCCTTTGAAG GATTACTCTC TGGACACAAA GTGTTTGATT CTGATTTGTT
 -1968 GGTGGAAGA TGTGTTGGTT GAGAGAAAGA TTCTGATTTG TTGGTTGAAA ATAGACTCAT
 -1908 CAAGATCAAC TGCTGTAGTA GTAAATATTT TGACATTTTG TCTGTATTCC TGTGCTGCCC
 -1848 TCACAAGCTG CATCACCTTG AGTGAGTCAT TCATACTTTT TTGTTTGTTT TTGTTTGGGA
 -1788 GATGGAGTCT TACTCTGTTG CCTAGGCTGG AGTGCGGTGG CGTGATCTTG GCTCACTGCG
 -1728 ACCTCCATCT CCTGGGTTCA AGTGATCCTC CTGCCTCAGC CTCCCGAGTA CTGGGATTA
 -1668 CAGGCACATG CCACCATCCC TGCTAATTTT TGCATTTTCA GTAGAGACGG AGTTTCACCA
 -1608 TGTTGGTCAG GTTGGTCTTG AACTCCTGAC CTCAGGTGAT CCGCCACCT CAGCCTCCCC
 -1548 AAGTGCTGGG ATTACAGGTG TGAGCCACCG TGCCAGCCC AGCCATCATT TTTGAAACAC
 -1488 GTTTGAGAAA TAGTGCTTC CTTTGAGGGC CAAGGAGACA TTTTTTTTGT TTATTTGTTT
 -1428 GTTTTTGTGA GGACTAGCTG AAGGGGTGA TGTATATTAA CCTGCCTACT TATTTGCCTC
 -1368 TTCCAGAGT GTGATGAATA TTAGGGTTTA AAGTTTCTGA AGCATTTGTT AATAAAGCCC
 -1308 GGGGCTGGAG GTCAGAAGAC CTGGATTTCT CTGCATACTT TTGCCATCAG CAAGCTGTGT
 -1248 GACCTTGGAC AGATCCCCTT TTTGTCTAAA TCTTTCTGAG TCTTCTTGAA AACAATGCCA
 -1188 GGTGAGGACA GGATGATTGC CAAGTCCCG TCCAGCTCTA AAACACTGCA ACGTATGCTT
 -1128 CTGCACCAGC ACTGTCCATC CTGTAGATCA TGCAGAAAT CTCTTCAACT TTTTCTACC
 -1068 CATAAAATAG GAGCATGCTT ACCTTTTCC TAATGTTCCA GGCCCCGGGT CTAGATATTG
 -1008 TAAGTAAGGA AGTTAATGTG TATCAGAGCC CATTATGGGC CAGAAGTTCT CCTCTCCTT
 -948 CCTACACCTG CTTCCCTCCCT CCCTCCCTCC CTCTTTCCCT TCCTTCCTTC CATCCATTTG
 -888 TGAAGAAGAC ATGATCACCC TCATTCTGAG AGTGAAGAGA CAGAGGCTCA ACTAATGAAA
 -828 TGATTTGTTT AAGGTCACAC GGGTGGCACA AGGCAAGTGG CAGAGGTTGA ATTTAGACCC
 -768 ATTCTGTCC AAATGCTGAG TTTATGTCAT CGTCCCGAGA CCATAACTTT AAAGATGTAA
 -708 GATAGTGGGA AAAGAGTTGA TTTCAAAGCA CCTCTCAGAA GGACTCACTT TACATCAGGG
 -648 GTCAGCAGAC TCAGGCCAAA TCCGGTCCAT TCCCCGCTTT TGCAAAGAAA GTTGTAGTGG
 -588 AACACAGCTA GGCTTATTGA TTTATGGATT GCCAACGTCC TTTTGTGAAA CAGACAGCTG
 -528 AGCTGAGTAA TCGTGGCGCA CAAAACCTAA AATATTTACT ATCTCGTCCT TTACAGAATG
 -468 TTTGCCAATC TATGGTCCGG AGTCCAAGGC TGTCCATTTT TCAAAGAACA CAAAGTGACA
 -408 TGAGACTGTC CCATGTGCAG GGAGCCCTAT CATTTTATTA TGAAAAACG GCCTTCTGCTG
 -348 TCAAATCTGT TTTTAAAAA GTCAACAAAC AGACTCTGGG TACCTGTCAG GAACAGTAGG
 -288 GAGTTTGGTT TCCATTGTGC TCTTCTTCCC AGGAACTCAA TGAAGGGGAA ATAGAAATCT
 -228 TAATTTTGGG GAAATTGCAC AGGGGAAAAA GGGGAGGGAA TCAGTTACAA CACTCCATTG
 -168 CGACACTTAG TGGGGTTGAA AGTGACAACA GCAAGGGTTT CTCTTTTGG AAATGCGAGG
 -108 AGGGTATTTT CGCTTCTCGC AGTGGGGCAG GGTGGCAGAC GCCTAGCTTG GGTGAGTGAC
 -48 TATTTCTTTA TAAACCACAA CTCTGGGCCC GCAATGGCAG TCCACTGCTT GCTGCAGTCA
 13 CAGAATGGAA ATCTGCAGAG GCCTCCGCAG TCACCTAATC ACTCTCCTCC TCTTCTGTG
 73 CCATTCAGAG ACGATCTGCC GACCTCTGG GAGAAAATCC AGCAAGATGC AAGCCTTCAG
 133 GTAAGGCTAC CCAAGGAGG AGAAGGTGAG GGTGGATCAG CTGGAGACTG GAAACATATC

Fig. 3 (cont.)

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193 ACAGCTGCCA GGGCTGCCAG GCCAGAGGGC CTGAGAACTG GGTTTGGGCT GGAGAGGATG
 253 TCCATTATTC AAGAAAGAGG CTGTTACATG CATGGGCTTC AGGACTTGTG TTTCAAATA
 313 TCCCAGATGT GGATAGTGCG ACCGGAGGGC TGTCTTACTT TCCCAGAGAC TCAGGAACCC
 373 AGTGAGTAAT AGATGCATGC CAAGGAGTGG GACTGCGATT CAGGCCTAGT TGAATGTGCT
 433 GACAGAGAAG CAGAGAGGGG CACCAGGGGC ACAGCCCGAA GGCCAGACT GATATGGGCA
 493 AGGCCTGTCT GTGCTGACAT GTCGGAGGGT CCCACTCTCC AGGGACCTTG GTTCCCCCGT
 553 CTGTGACATC TGTGACATGA GAGTCACGAT AACTCCTTGT GTGCCTTACA GGGTTGTTGT
 613 GAAAATTAAA TGCACAGATA ATAGCGTAAC AGTATTCCGT GCATTGTAAA GAGCCTGAAA
 673 ACCATTATGA TTTGAAAATG GAATCGGCTT TGTGAGACCA TCACTATTGT AAAGATGTGA
 733 TGCTGATAGA AATGACAGGA CTGCTTGTGC ATGCCCTCTG CAGTGTGACA TTCCAGCAGT
 793 GAAATCATGT TGGGGTGACT TCTCCCCCAC TCTGACCTTT ATGTTTGTCT GGGCCGAGGC
 853 TGCAAGTCGG GCTCTGTGGG TGTATGAGTG ACAAGTCTCT CCCTTCCAGA TATGGGGACT
 913 GTCTGCTTCC CTAGGTTGCC TCTCCCTGCT CTGATCAGCT AGAAGCTCCA GGAGATCCTC
 973 CTGGAGGCCC CAGCAGGTGA TGTTTATCCC TCCAGACTGA GGCTAAATCT AGAACTAGG
 1033 ATAATCACAA ACAGGCCAAT GCTGCCATAT GCAAAGCACT TTGGTTTGCC TGGCCACCCC
 1093 TCGTCGAGCA TGTGGGCTCT TCAGAGCACC TGATGAGGTG GGTACAGTTA GCCACACTTC
 1153 ACAGGTGAAG AGGTGAGGCA CAGGTCCCAG GTCAGGCTGG CCGGAGCTCT GTTATTACG
 1213 TCTCACAGCT TTGAGTCCTG CTCTCAACCA GAGAGGCCCT TTACCAAGAA GAAAGGATTG
 1273 GGACCCAGAA TCAGGTCACT GGCTGAGGTA GAGAGGAAGC CGGGTTGTTT CCAAGGGTAG
 1333 CTGCTCCTGC AGGACTCTGA GCAGGTCACC AGCTAATGGA GGAAAGGCTC TAGGGAAAGA
 1393 CCCTTCTGGT CTCAGACTCA GAGCGAGTTA GCTGCAAGGT GTTCCGTCTC TTGAAACTTC
 1453 TACCTAGGTG CTATGGTAGC CACTAGTCTC AGGTGGCTAT TTAAATTTAT ACTTAAATGA
 1513 ATGAAAATAG AAGAAAATTT AAAATCCAGA CCCTTGGTCA CACTATCCAC ATTTAAAGAG
 1573 GTCAATAGCC ACATGTGGTT AGTGGCCACC CTATTGGGCA GTGCAGCTAC AGAACATTTT
 1633 TGCATCCCAG AAAGTTCTTT TGGATGTTGC TGCTCTACAG CATGCTTTGC TGAAACAGAA
 1693 GTGCCTTCCC TGGAATCTC AGTGTGAGG GTTGGGCTG CCTCTTAACC ATTTGTAGCC TCAGTCTTCT
 1753 ACTGCTCACC AGCTGTGAGG GTTGGGCTG CCTCTTAACC ATTTGTAGCC TCAGTCTTCT
 1813 CATCCATGCA TGCCGTGGGT ATACTAAAAT ACTATACCCC TGGAAGAGCT GGATGCAAAT
 1873 TTGACAAGTT CTGGGGGACA CAGGAAGGTG CCAAGCACAA GGCTGGGCAC ATGGTGGCTG
 1933 TGCACTACAG CTGAGTCCTT TTCCCTTTTCA GAATCTGGGA TGTTAACCAG AAGACCTTCT
 1993 ATCTGAGGAA CAACCAACTA GTTGCTGGAT ACTTGCAAGG ACCAAATGTC AATTTAGAAG
 2053 GTGAGTGGTT GCCAGGAAAG CCAATGTATC TGGGCATCAC GTCACCTTGC CCGTCTGTCT
 2113 GCAGCAGCAT GGCCTGCCTG CACAAACCCT AGGTGCAATG TCCTAATCCT TGTTGGGTCT
 2173 TTGTATTCAA GTTTGAAGCT GGGAGGGCCT GGCTACTGAA GGGCACATAT GAGGGTAGCC
 2233 TGAAGAGGGT GTGGAGAGGT AGAGTCTAGG TCAGAGGTCA GTGCCTATAG GCAAGTGGTC
 2293 CCAGGGCCAC AGCTGGGAAG GGCAAATACC AGAAGGCAAG GTTGACCATT CCCTTCCTCA
 2353 AGTGCCTATT AAGGCTCCAT GTTCCTATGT TGTTCAAACC CTAACCTCAAT CCCAAATTAA
 2413 TCCACCATGT ATAAGGTTGA GCTATGTCTC TTATTCTTGG ACACCATACT CAGCCATATC
 2473 TGGTCCACAC ATTAACAGCT GGATGACCTT GAAGAAGCTT CACCCACTCT GTTCCTCAGC
 2533 TTTCCTTCA GTGGGATGAT ATCAACTGGA CAACAGGATG TGCGATTCTT TTAGTTCCAG
 2593 CCTTCCAGGA TGTTTTCACT CCCCTGTTTG TTGTTGTAGG ATGGTATTAC CTCCACCTTC
 2653 CCACCTTCCC TATGCCCTGG TTCTGTCTCC TGTGCCTCGC TCTGAAAGTG GATGAGACCT
 2713 ACAATTCCTG TCCTGGTAGT TCTCCTAATG AACACACTGA AGCACGAGGA AGCTGAGATT
 2773 TTTGTTGCTA CATGAGAGCA TGGAGGCCTC TTAGGGAGAG AGGAGGTTCA GAGACTCCTA
 2833 GGCTCCTGGT GGAGCCCCAC TCATGGCCTT GTTCATTTTC CCTGCCCTC AGCAACACTC
 2893 CTATTGACCT GGAGCACAGG TATCCTGGGG AAAGTGAGGG AAATATGGAC ATCACATGGA
 2953 ACAACATCCA GGAGACTCAG GCCTCTAGGA GTAACGGGT AGTGTGCATC CTGGGGAAAG
 3013 TGAGGGAAAT ATGGACATCA CATGGAACAA CATCCAGGAG ACTCAGGCCT CTAGGAGTAA
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 3133 CAGGAGACTC AGGCCTCTAG GAGTAACTGG GTAGTGTGCA TCCTGGGGAA AGTGAGGGAA
 3193 ATATGGACAT CACATGGAAC AACATCCAGG AGACTCAGGC CTCTAGGAGT AACTGGGTAG
 3253 TGTGCTTGGT TTAATCTTCT ATTTACCTGC AGACCAGGAA GATGAGACCT CTCTGCCCTT
 3313 CTGACCTCGG GATTTTAGTT TTGTGGGGAC CAGGGGAGAT AGAAAAATAC CCGGGGTCTC

Fig. 3 (cont.)

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3373	TTCATTATTG	CTGCTTCCTC	TTCTATTAAC	CTGACCCTCC	CCTCTGTTCT	TCCCCAGAAA
3433	AGATAGATGT	GGTACCCATT	GAGCCTCATG	CTCTGTTCTT	GGGAATCCAT	GGAGGGAAGA
3493	TGTGCCTGTC	CTGTGTCAAG	TCTGGTGATG	AGACCAGACT	CCAGCTGGAG	GTAAAAACAT
3553	GCTTTGGATC	TCAAATCACC	CCAAAACCCA	GTGGCTTGAA	ACAACCAAAA	TTTTTTCTTA
3613	TGATTCTGTG	GGTTGACCAG	GATTAGCTGG	GTAGTTCTGT	TCCATGTGGT	GGAACATGCT
3673	GGGGTCACTT	TGGAAGCTGC	ATTCAGCAGA	GTGCCAGGCT	TGCGCTGGGC	ATCCAAGGTG
3733	GTCCCTCATC	CTCCAGGCTC	TCTTTCCATG	TGATCTCTCA	GTGTTTAAGA	GTTAGTTGGA
3793	GCTTCCTTAC	AGCATGGCGG	CTGACTTCCA	AAAGGGATTA	TTCCAAAAAG	AGCCTCAACA
3853	TGCAGGCGCT	TATTATGACT	TCTGCTTGCA	TCATCCTATT	GGCCAAAGCC	AGTCACGTGG
3913	CTAAGTCTAG	CCCCCTGTGA	GAGGAGACTG	CATAAGAGTG	TGAACACCAG	GAGACACGGT
3973	CACTGGGGGC	CACCACTGTA	ACCATCTACC	ACAGGACCTG	AATCTCTGTG	TGCTACTCCC
4033	TTGCTCAAGG	GCCCCCTAC	CCACGCAGAC	CTGCTGTCTT	CTAGCAAAGC	CCATCCTCAG
4093	GACCTTTCTC	TTCCAATCCT	TATTGACTCA	AATTGATTAG	TTGGTGCTCC	ACCCAGAGCC
4153	CTGTGCTCCT	TTATCTCATG	TAATGTTAAT	GGGTTTCCCA	GCCCTGGGAA	AACATGGCTT
4213	TGTCTCAGGG	GCTTGCTGGA	TGCAACCTTA	ACCTCAATGT	GAGTGGCCAT	ACTGTGGCAC
4273	TGTCCCATCC	CTCACCAGGG	ACACTGTTCT	GGAGGGTGAC	TGCCTGTTCT	GTGAGGAGTG
4333	GGGATGGCTA	GGACATTGCA	TGGAACACAC	CACCACCCCA	TCTTCTCAGA	GCTCAAACCC
4393	TGACAGAACA	CCAGCTCCAC	AGGCCTTGGC	TTCTGCTGAT	GGTGCCGTGT	ATTTACCAGA
4453	CTTAGTGGTG	CAAGGCCAGA	GTGGCAGATT	TCCCAAAGTC	AAGGTGTGAC	AGTGGGACAG
4513	CCTCTTTGTG	TCTTTGCTGT	CCTAAGAAAC	CTGGGCCAGG	CCAGGCGCAG	TGGCTCACGC
4573	CTTGTAATCC	CAGCACTTTG	AGAGGCCAAG	GTGGGCAGAT	CACGAGGTCA	GGAGTTTGAG
4633	ACCAGCCTGG	CCAACATTGG	TGAAACCCTG	TCTCTATTAA	AAATAGAAAA	CATTAGACAG
4693	GTGTGGTGGT	GCATGCCTGT	AATCCCAGCT	ACTCAGGAGG	CTGAGGCAGG	AGAATCGCTT
4753	GAACCCAGGA	GGTGGAGGTT	GCAGTGAGCC	GAGATTGTGC	CACTGCACTC	CAGCCTAGGC
4813	GACAGAGCAA	GACTCCGTCT	CGGGAAAATT	AATTAATAAA	TAAATAAACC	TAGGTCCCAG
4873	AGTCCACAG	AATGGCAGAC	AGGAGCACCT	GGGGGCTTTT	AGGGTATGGC	ATTTCCCCTG
4933	TACTAACTCT	GGGCTGTCCA	GAGGCGATTT	CATGGCGTGG	AGTGGAGAGG	GAGGCAGCAC
4993	AGGACTTCCT	AGGCCTCAGC	TCTCACCTGC	CCATCTTTTG	ATTTCCAGGC	AGTTAACATC
5053	ACTGACCTGA	GCGAGAACAG	AAAGCAGGAC	AAGCGCTTCG	CCTTCATCCG	CTCAGACAGT
5113	GGCCCCACCA	CCAGTTTGA	GTCTGCCGCC	TGCCCCGGTT	GGTTCCTCTG	CACAGCGATG
5173	GAAGCTGACC	AGCCCGTCAG	CCTCACCAAT	ATGCCTGACG	AAGGCGTCAT	GGTCACCAAA
5233	TTCTACTTCC	AGGAGGACGA	GTAGTACTGC	CCAGGCCTGC	CTGTTCCCAT	TCTTGCAATG
5293	CAAGGACTGC	AGGGACTGCC	AGTCCCCCTG	CCCCAGGGCT	CCCGGCTATG	GGGGCACTGA
5353	GGACCAGCCA	TTGAGGGGTG	GACCCTCAGA	AGGCGTCACA	ACAACCTGGT	CACAGGACTC
5413	TGCCTCCTCT	TCAACTGACC	AGCCTCCATG	CTGCCCTCCAG	AATGGTCTTT	CTAATGTGTG
5473	AATCAGAGCA	CAGCAGCCCC	TGCACAAAGC	CCTTCCATGT	CGCCTCTGCA	TTCAGGATCA
5533	AACCCCGACC	ACCTGCCCAA	CCTGCTCTCC	TCTTGCCACT	GCCTCTTCCT	CCCTCATTC
5593	ACCTTCCCAT	GCCCTGGATC	CATCAGGCCA	CTTGATGACC	CCCAACCAAG	TGGCTCCCAC
5653	ACCCTGTTTT	ACAAAAAAGA	AAAGACCAGT	CCATGAGGGA	GGTTTTTAAG	GGTTTGTGGA
5713	AAATGAAAAT	TAGGATTTCA	TGATTTTTTT	TTTTTCAGTCC	CCGTGAAGGA	GAGCCCTTCA
5773	TTTGGAGATT	ATGTTCTTTC	GGGGAGAGGC	TGAGGACTTA	AAATATTCCT	GCATTTGTGA
5833	AATGATGGTG	AAAGTAAGTG	GTAGCTTTTC	CCTTCTTTTT	CTTCTTTTTT	TGTGATGTCC
5893	CAACTTGTA	AAATTAAG	TTATGGTACT	ATGTTAGCCC	CATAATTTTT	TTTTTCCTTT
5953	TAAAACACTT	CCATAATCTG	GACTCCTCTG	TCCAGGCACT	GCTGCCCAGC	CTCCAAGCTC
6013	CATCTCCACT	CCAGATTTTT	TACAGCTGCC	TGCAGTACTT	TACCTCCTAT	CAGAAGTTTC
6073	TCAGCTCCCA	AGGCTCTGAG	CAAATGTGGC	TCCTGGGGGT	TCTTTCTTCC	TCTGCTGAAG
6133	GAATAAATTG	CTCCTTGACA	TTGTAGAGCT	TCTGGCACTT	GGAGACTTGT	ATGAAAGATG
6193	GCTGTGCCTC	TGCCTGTCTC	CCCACCAGGC	TGGGAGCTCT	GCAGAGCAGG	AAACATGACT
6253	CGTATATGTC	TCAGGTCCCT	GCCAGGGCAA	GCACCTAGCC	TCGCTCTTGG	CAGGTACTCA
6313	GCGAATGAAT	GCTGTATATG	TTGGGTGCAA	AGTTCCCTAC	TTCTGTGAC	TTTCTGCTCTG
6373	TTTTACAATA	AAATCTTGAA	AATGCCTATA	TTGTTGACTA	TGTCCCTGGC	CTTGACAGGC
6433	TTTGGGTATA	GAGTGCTGAG	GAAACTGAAA	GACCAATGTG	TYTTYCTTAC	CCCAGAGGCT
6493	GGCGCCTGGC	CTCTTCTCTG	AGAGTTCTTT	TCTTCCTTCA	GCCTCACTCT	CCCTGGATAA
6553	CATGAGAGCA	AATCTCTCTG	CGGGG			

Fig. 3 (cont.)

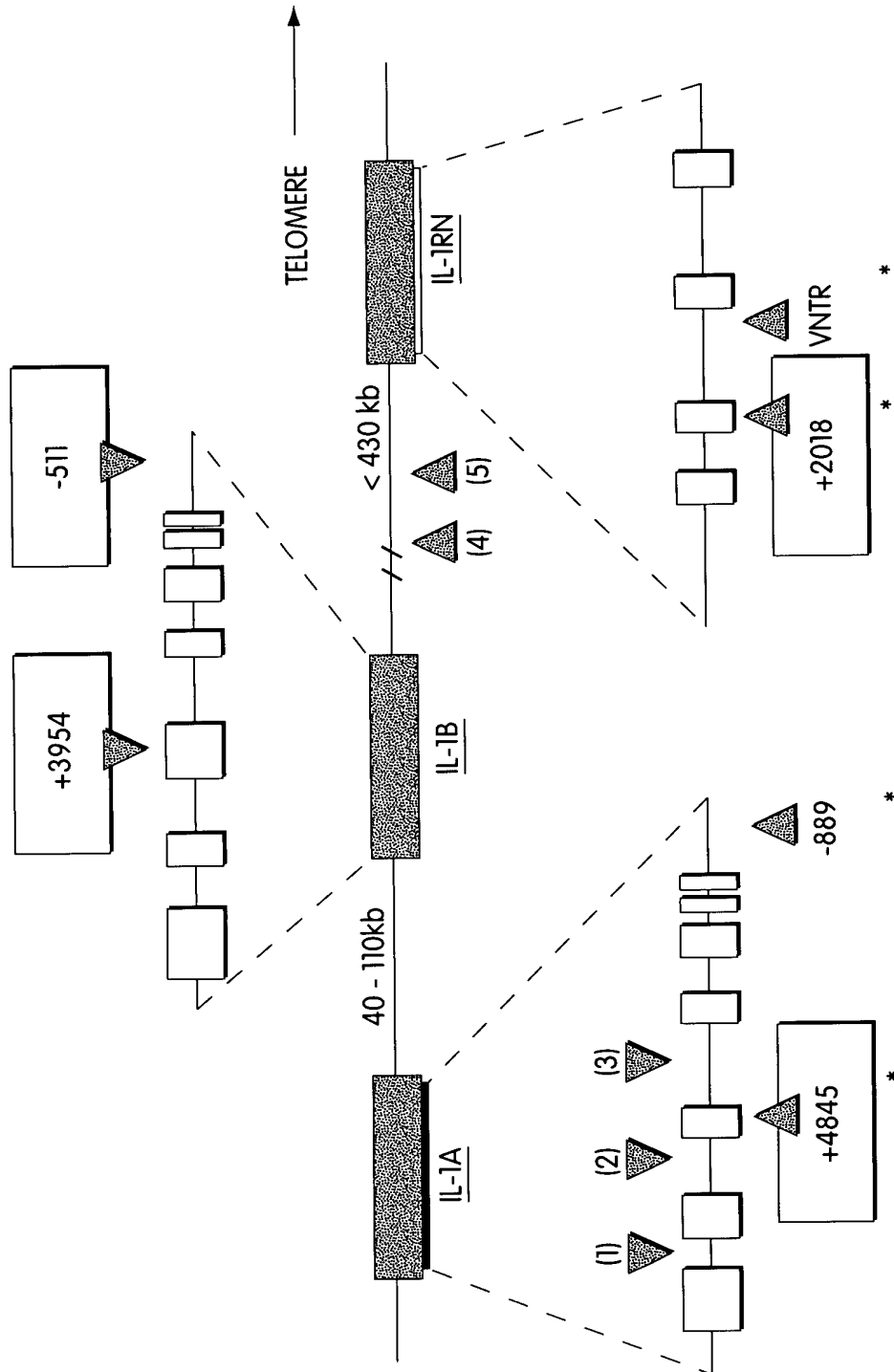


Fig. 4

	A(+4845)	B(+3954)	B(-511)	RN(+2018)
A(+4845)	----- ↑	0.804 ↑	-0.264 ↑	-0.207 ↑
B(+3954)	0.804 ↑	----- ↑	-0.617 ↑	-0.439 ↑
B(-511)	-0.264 ↑	-0.617 ↑	----- ↑	0.448 ↑
RN(+2018)	-0.207 ↑	-0.434 ↑	0.448 ↑	----- ↑

Fig. 5

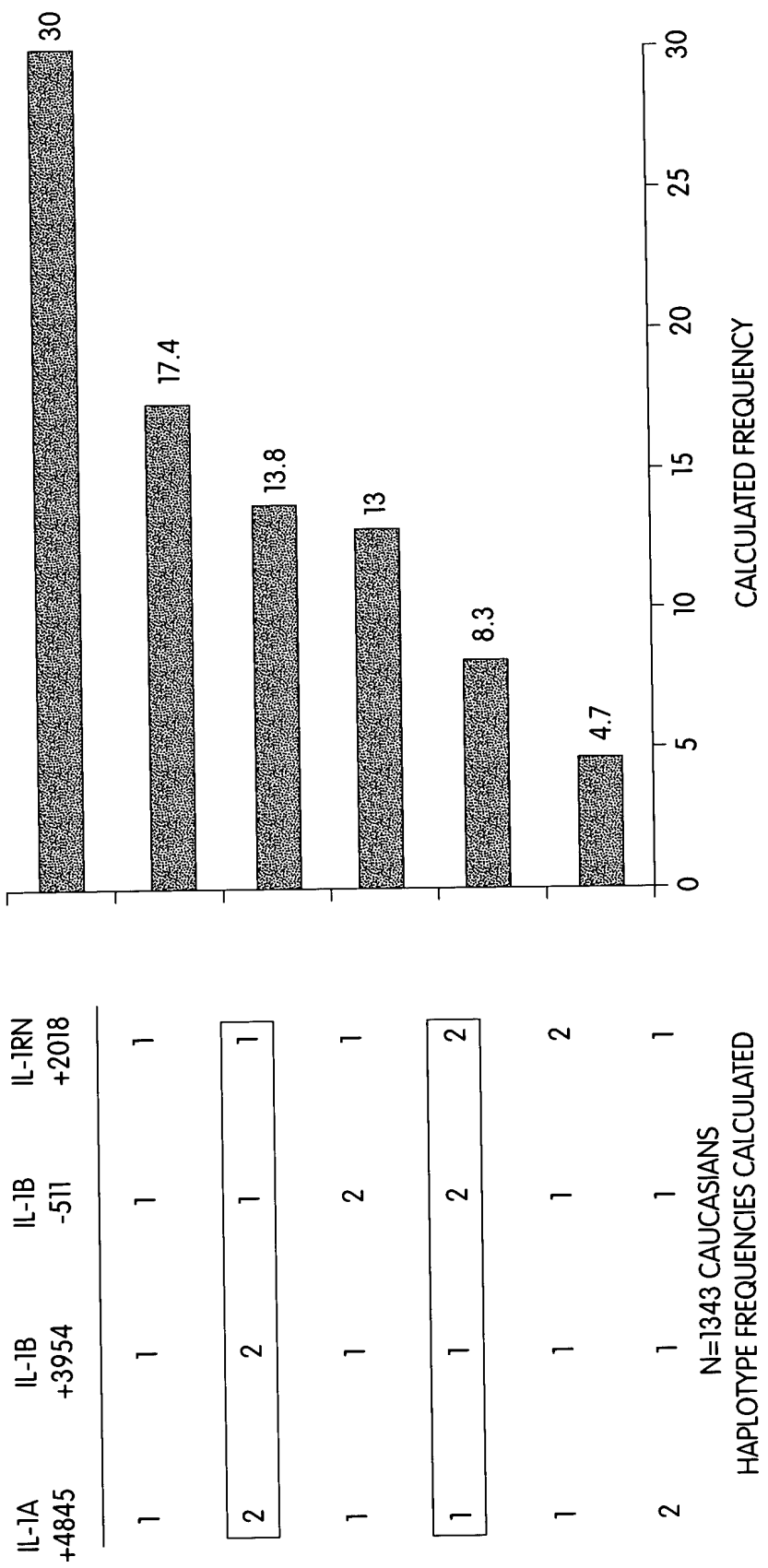


Fig. 6

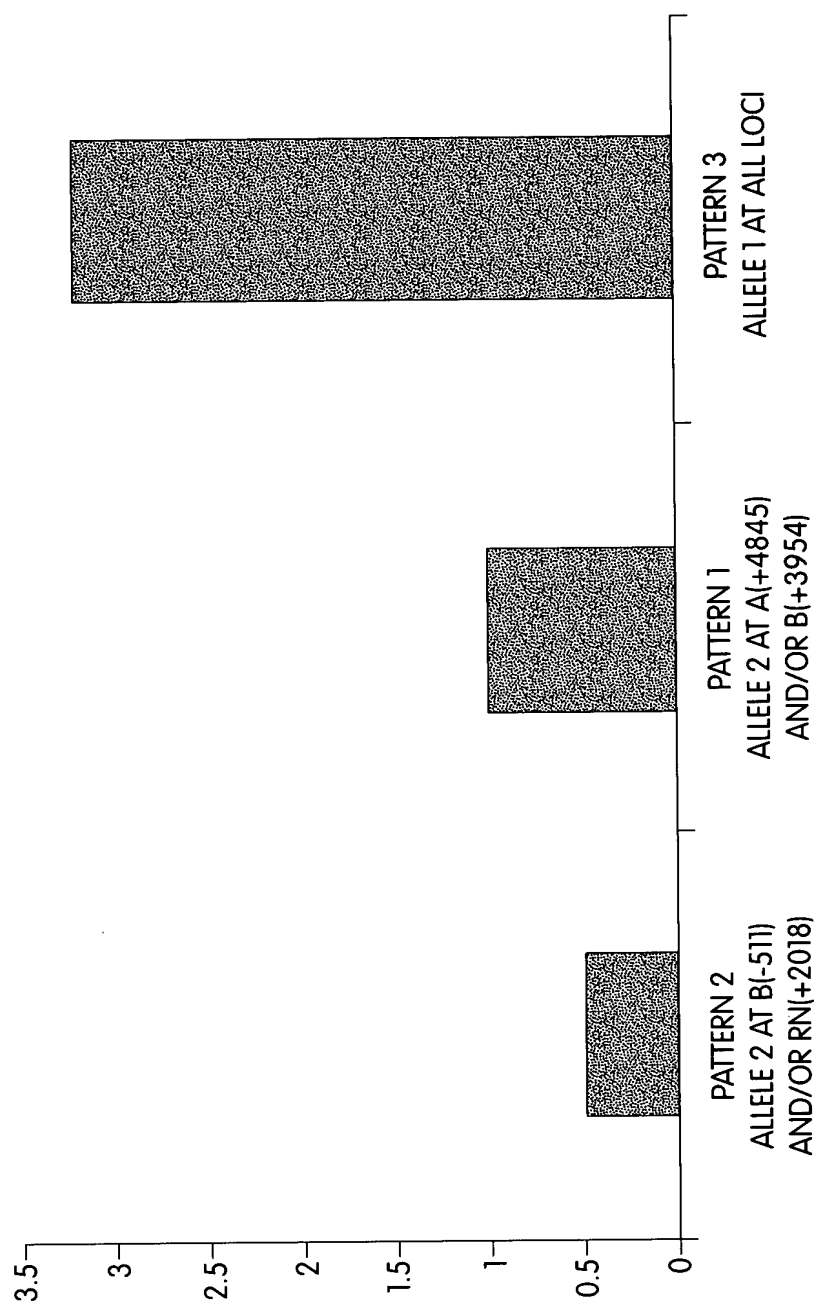


Fig. 7

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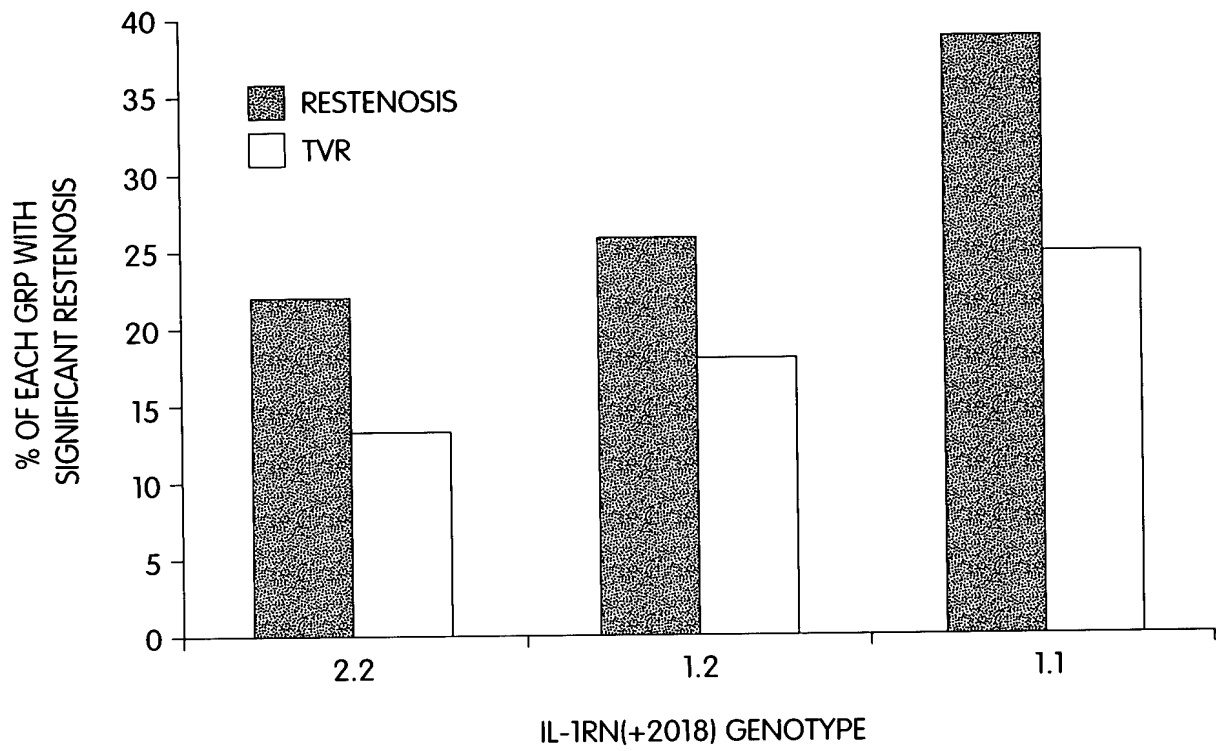


Fig. 8

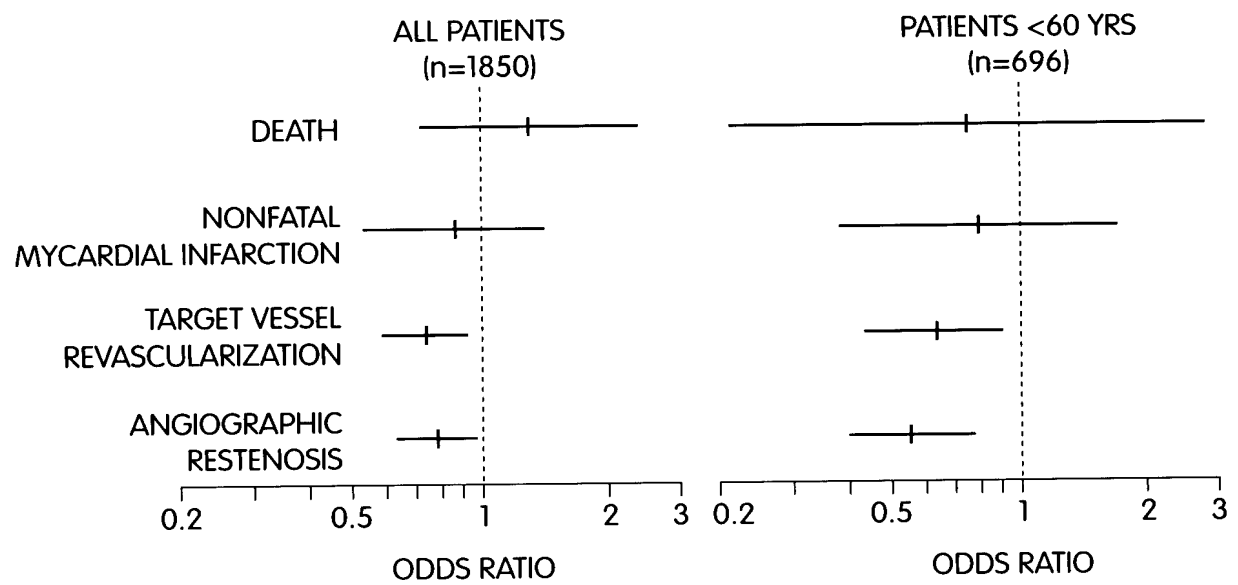


Fig. 9

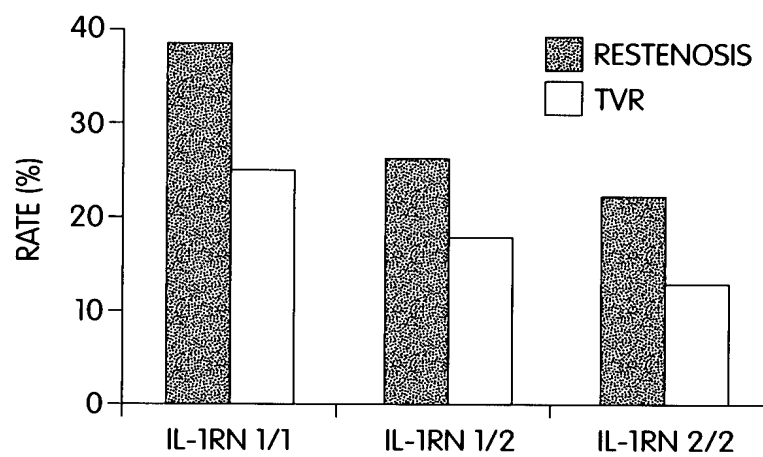


Fig. 10